DFW/



PATENT Customer No. 22,852 Attorney Docket No. 9960.0007-12

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

n	re	Ap	plica	ation	of:
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STICE et al. ) Group Art Unit: 1632

Application No. 10/809,556 ) Examiner: Deborah Crouch

Filed: March 25, 2004 ) Confirmation No.: 7952

For: CLONED UNGULATE EMBRYOS AND ANIMALS, USE OF CELLS,

TISSUES AND ORGANS THEREOF FOR TRANSPLANTATION

THERAPIES INCLUDING PARKINSON'S DISEASE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

### TRANSMITTAL LETTER

Applicants submit a Revocation of Power of Attorney and Grant of New Power of Attorney and associated papers in the above-identified application.

Kindly associate these papers with this application.

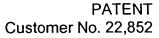
Respectfully Submitted,

Dated: November 30, 2006

By: Salvatore J. Arrigo

Reg. No. 46,063

Telephone: 202-408-4160
Facsimile: 202-408-4400
E-mail: arrigos@finnegan.com





#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)
Stice et al.	) Group Art Unit: 1632
U.S. Application No. 09/066,652 U.S. Application No. 09/534,500 U.S. Application No. 09/845,352 U.S. Application No. 10/809,556 U.S. Application No. 10/818,486	) Examiner: Crouch/Woitach ) ) ) )

For: Cloned Ungulate Embryos and Animals, Use of Cells, Tissues and Organs for Transplantation Therapies Including Parkinson's Disease

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

## REVOCATION OF POWER OF ATTORNEY AND GRANT OF NEW POWER OF ATTORNEY

The undersigned, a representative authorized to sign on behalf of the assignee owning all of the interest in the applications identified above, hereby revokes all previous powers of attorney or authorization of agent granted in the above-identified applications before the date of execution hereof.

The undersigned verifies that University of Massachusetts, as represented by its Amherst Campus, is the assignee of the entire right, title, and interest in the applications identified above by virtue of assignments recorded at Reel 9442, Frame 0149, and Reel 009442, Frame 0193 (copies attached). The undersigned certifies that the evidentiary documents have been reviewed and to the best of the undersigned's knowledge and

belief, title is in the assignee University of Massachusetts, as represented by its Amherst Campus.

The undersigned hereby grants its power of attorney to the patent practitioners associated with FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., Customer Number 22,852, to prosecute the above-identified applications and to transact all business in the Patent and Trademark Office connected therewith, and to receive the Letters Patent.

Please send all future correspondence concerning these applications to Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., Customer No. 22,852.

Dated: 11-21-06

Name: Nicholas DeCristofaro

Title: Director, Commercial Ventures & Intellectual Property

University of Massachusetts, as represented by its Amherst Campus





UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JANUARY 06, 1999

PTAS
BURNS, DOANE, SWECKER & MATHIS, L.L.P
ROBIN L.TESKIN
P.O. BOX 1404
ALEXANDRIA, VA 22313-1404



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RECORDATION DATE: 07/21/1998

REEL/FRAME: 9442/0149 NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

STICE, STEVEN L.

DOC DATE: 06/01/1998

ASSIGNOR:

CIBELLI, JOSE

DOC DATE: 06/01/1998

ASSIGNEE:

MASSACHUSETTS, UNIVERSITY OF, A
PUBLIC INSTITUTION OF HIGHER
EDUCATION OF THE COMMONWEALTH OF
MASSACHUSETTS, AS REPRESENTED BY
ITS AMHERST CAMPUS
OFFICE OF VICE CHANCELLOR FOR
RESEARCH AT AMHERST
AMHERST, MASSACHUSETTS 01002

SERIAL NUMBER: 09066652

PATENT NUMBER:

FILING DATE: 04/27/1998

ISSUE DATE:

000270-015

ALT

Advanced Cell Fech.

**RE**SEASO

LUCIAS, DOAME, SMECKER & MATHIS, LLP.

MN + 1 8559

151-12

9442/0149 PAGE 2

SHAREILL COLES, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Weshington, D.C. 20231

JANUARY 06, 1999

PTAS

BURNS, DOANE, SWECKER & MATHIS, L.L.P. ROBIN L. TESKIN P.O. BOX 1404 ALEXANDRIA, VIRGINIA 22313-1404



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RECORDATION DATE: 07/21/1998

REEL/FRAME: 9442/0193

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ROBL, JAMES A.

DOC DATE: 07/02/1998

ASSIGNEE:

MASSACHUSETTS, UNIVERSITY OF, A
PUBLIC INSTITUTION OF HIGHER
EDUCATION OF THE COMMONWEALTH OF
MASSACHUSETTS, AS REPRESENTED BY
ITS AMHERST CAMPUS
OFFICE OF VICE CHANCELLOR FOR
RESEARCH AT AMHERST

-AMHERTS, MASSACHUSETTS 01002

AMHERST

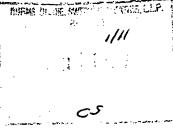
SERIAL NUMBER: 09066652

PATENT NUMBER:

FILING DATE: 04/27/1998

ISSUE DATE:

Advanced Cell ALT



**FORM PTO-1595** 09-15-1998 U.S. DEPARTMENT OF COMMERCE (Rev. 6/93) Patent and Trademark Office SHEET 100829936 Attorney's Docket No. 000270-015 To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Steven L. STICE Name: UNIVERSITY OF MASSACHUSETTS, a Jose CIBELLI Public Institution of Higher Education of the Commonwealth of Massachusetts, as represented by its Amherst Campus Additional name(s) of conveying party(ies) attached? Address: Office of Vice Chancellor For 3. Nature of conveyance: Research At Amherst ] Merger [X] Assignment Amherst, Massachusetts 01002 Security Agreement [ ] Change of Name Other: \_ Execution Date: June 1, 1998 Additional name(s) & address(es) attached? [ ] Yes [X] No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) 09/066,652 Additional numbers attached? [ ] Yes · [X] No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: 1 document should be mailed: Name: Robin L. Teskin 7. Total fee (37 CFR 3.41): \$40,00 Address: Burns, Doane, Swecker & Mathis, L.L.P. [X] Enclosed P.O. Box 1404 [ ] Authorized to be charged to deposit account, if necessary

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Statement and signature.
 To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robin L. Teskin
Name of Person Signing

Signature

Total number of pages including cover sheet, attachments, and document: 3

8. Deposit account number:

02-4800

July 21, 1998 Date

07/24/1998 JARTIS

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Alexandria, Virginia 22313-1404

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02 FC:581

Commissioner of Patents and Trademarks

Box Assignments
Washington, D.C. 20231

000270-015 Attorney's Docket No.

### **ASSIGNMENT**

(JOINT).

THIS ASSIGNMENT, by STEVEN L. STICE: JOSE CIBELLE, and JAMES M. ROBL, residing at 468 AMHERST ROAD, BELCHERTOWN, MASSACHUSETTS 01007; 166 VILLAGE PARK, AMHERST, MASSACHUSETTS 01002 and 196 OLD ENFIELD, BELCHERTOWN, MASSACHUSETTS 01007 (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in CLONED UNGULATE EMBRYOS AND ANIMALS. USE OF CELLS, TISSUES AND ORGANS THEROF FOR TRANSPLANTATION THERAPIES INCLUDING PARKINSON'S DISEASE. □ which is a provisional application to be filed herewith; □ which is a non-provisional application having an oath or declaration executed on even date herewith prior to filing of application; ☒ bearing Application No. 09/066,652, and filed on APRIL 27, 1998; and

WHEREAS, <u>UNIVERSITY OF MASSACHUSETTS</u>, A <u>PUBLIC INSTITUTION OF HIGHER EDUCATION OF THE COMMONWEALTH OF MASSACHUSETTS</u>, AS REPRESENTED BY ITS <u>AMHERST CAMPUS</u>, and having its principal place of business at <u>OFFICE OF VICE CHANCELLOR FOR RESEARCH AT AMHERST</u>, <u>AMHERST</u>, <u>MASSACHUSETTS 01002</u> (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the

Application No. <u>09/066,652</u> Attorney's Docket No. <u>000270-015</u>

Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date	6/1/98	Signature of Assignor	SIEVER L. STICE
Date	6/1/98	Signature of Assignor	Jose CIBELLE 1
Date		Signature of Assignor	James M. ROBL
Date <u> </u>		Signature of Assignor	
Date	<del> </del>	Signature of Assignor	
Date		Signature of Assignor	
Date		Signature of Assignor	<del></del>
Date		Signature of Assignor	

FORM PTO-1595 (Rev. 6/93)	09-15-199	Patent and Trademark Office
	100829937	Attorney's Docket No. (000270-015)
To the Honorable Commissi	oner of Patents and Trademarks. 1	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies  JAMES A. ROBL  Additional name(s) of conveying party()  3. Nature of conveyance:  [X] Assignment [] Security Agreement  Other:  Execution Date: July 2, 1998	1) Merger 1) Change of Name	2. Name and address of receiving party(ies):  Name: UNIVERSITY OF MASSACHUSETTS, a Public Institution of Higher Education of the Commonwealth of Massachusetts, as represented by its Amherst Campus  Address: Office of Vice Chancellor For Research At Amherst  Amherst, Massachusetts 01002  Additional name(s) & address(es) attached? [1] Yes [X] No
4. Application number(s) or patent If this document is being filed to A. Patent Application No.(s) 09/066,652		e execution date of the application is:  B. Patent No.(s)
	Additional numbers attach	ned? [] Yes [X] No
<ol> <li>Name and address of party to we document should be mailed:</li> <li>Name: Robin L. Teskin</li> <li>Address: BURNS, DOANE, SWE</li> <li>P.O. Box 1404</li> </ol>		Total number of applications and patents involved:  Total fee (37 CFR 3.41): \$40.00  [X] Enclosed  Authorized to be charged to deposit account, if necessary
Alexandria, Virginia	22313-1404	8. Deposit account number:

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Statement and signature.
 To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robin L. Teskin
Name of Person Signing

Signature Signature

July 21, 1998 Date

Total number of pages including cover sheet, attachments, and document: 3

07/24/1998 JARTIS

00000023 09066652 Mail documents to be recorded with required cover sheet information to:

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Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231

000270-015 Attorney's Docket No.

# ASSIGNMENT

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WHEREAS, the Assignors have invented certain new and useful improvements in CLONED UNGULATE EMBRYOS AND ANIMALS. USE OF CELLS, TISSUES AND ORGANS THEROF FOR TRANSPLANTATION THERAPIES INCLUDING PARKINSON'S DISEASE. □ which is a provisional application to be filed herewith; □ which is a non-provisional application having an oath or declaration executed on even date herewith prior to filing of application; ☑ bearing Application No. 09/066,652, and filed on APRIL 27, 1998; and

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NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the

Application No. <u>09/066,652</u> Attorney's Docket No. <u>000270-015</u>

Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date 6/1/98	_ Signature of Assignor	Swend In
Date 6/1/98	_ Signature of Assignor	STEVEN L. STICE
Date 7-2-98	_ Signature of Assignor	Jose CIBELLE
Date	_ Signature of Assignor	)
Date	_ Signature of Assignor	
Date	_ Signature of Assignor	
Date	_Signature of Assignor	
Date	_Signature of Assignor	



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

OCTOBER 01, 1999

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BURNS, DOANE, SWECKER & MATHIS, L.L.P. ROBIN L. TESKIN
P.O. BOX 1404
ALEXANDRIA, VIRGINIA 22313-1404



CORRECTED NOTICE

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RECORDATION DATE: 07/21/1998

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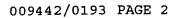
SERIAL NUMBER: 09066652

PATENT NUMBER:

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ISSUE DATE:





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